

SAWINSKI, Igor, mgr inz.; RUDZINSKI, Jerzy, mgr inz.; ROMANCZUK, Tadeusz,
mgr inz.; DEPCZYNSKI, Tadeusz, mgr inz.

Development of technological ideas in the shipyard in Danzig.
Bud okretowe Warszawa 8 no.11:381-398 N'63.

1. Stocznia Gdanska, Gdansk.

DEMICHEV, A.I.; GILYAZITDINOV, K.M.; ALEKSEYEV, V.A.; ROMANCHUK, V.A.

New special-purpose machine tools manufactured at the Sterlitamak
Machine-Tool Plant. Mashinostroitel' no.4:16-17 Ap '63. (MIRA 16:5)

(Sterlitamak--Machine-tool industry)

ROMANCHUK, V.A.

Automatic checking of honed holes. Stan.i instr. 29 no.11:16-20
N 58. (MIRA 11:11)
(Grinding and polishing) (Electronic control)

KALPIN, G.Z.; RUBLEVA, K.I.; SAMOYLOV, N.P.; REBROVA, G.I.;
ROMANCHUK, Z.A.; KALASHNIKOVA, V.S., red.; TIKHONOVA, Ye.M.,
red.; BALLOD, A.I., tekhn. red.; PROKOF'YEVA, L.N., tekhn.
red.

[Manual on state farm wages and other state agricultural enterprises] Spravochnik po opplate truda v sovkhozakh i drugikh gosudarstvennykh sel'skokhoziaistvennykh predpriyatiyakh. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1962. 550 p. (MIRA 15:3)

1. Ministerstvo sel'skogo khozyaystva SSSR (for Kalpin, Rubleva, Samoylov, Rebrova, Romanchuk).
(Agricultural wages--Handbooks, manuals, etc.)

[illegible]

Flotation in the water courses of wet coal dressing plant. Federal govt. Z. 11. 4. 19-235 N. 1974.

ZEL'MANOV, I.; ROMANDINA, V.

More about the trichinosis of swine. Mias.ind. SSSR 31 no.6:26-27
'60. (MIRA 13:12)

1. Moskovskiy myasokombinat.
(Swine--Diseases) (Trichina and trichinosis)

ROMANGIUC, I.

Installation for measuring electric resistivity under
vacuum at different temperatures of metals and alloys.
Metalurgia constr mas 15 no.7:457-458 J1 '63.

ROMANCIUC, I.

Devices for material completion, cleaning the slag, and keeping the bath in motion in vacuum furnaces. Metalurgia constr mas 15 no.2: 126-127 F '63.

VUL'F, Boris Konstantinovich, dots., doktor tekhn. nauk; ROMANDIN,
Konstantin Platonovich, dots., kand. tekhn. nauk; DUBININ,
G.N., kand. tekhn.nauk, retsenzent; KORNILOV, I.I., prof.,
red.; VINOGRADSKAYA, S.I., red. izd-va; PUKHLIKOVA, N.A.,
tekhn. red.

[Structure and properties of aircraft metals]Aviatsionnoe
metallovedenie. 2. izd., perer. i dop. Pod red. I.I.Korni-
lova. Moskva, Oborongiz, 1962. 503 p. (MIRA 15:11)
(Steel alloys) (Nonferrous alloys)
(Airplanes--Materials)

TIKHONIN, I.Ya., prof.; FEL'DSHTEYN, M.A., dotsent; MART'YANOV, S.N., dotsent;
ZEL'MANOV, I.S., veterinarnyy vrach; ROMANDINA, V.P., veterinarnyy vrach;

Losses in the meat industry from hidden injuries in cattle.
Veterinariia 36 no.9:49-51 S '59. (MIRA 12:12)

1.Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti.

(Meat industry and trade)

TIKHONIN, I.Ya.; FEL'DSHTEYN, M.A.; MART'YANOV, S.N.; ZEL'MANOV, I.S.;
ROMANDINA, V.P.

Injuries in cattle raised for meat. Izv.vys.ucheb.zav.;pishch.
tekhn. no.5:79-83 '58. (MIRA 11:12)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti, kafedra khirurgii i akusherstva.
(Cattle).

RUDNYTS'KYI, Stepan (1877-); ROMANENCHUK, B., red.

[Elementary geography of the Ukraine] Pochatkova geografiia Ukrainy. 3. popravlena i poshyrene vyd. op., red. i oformlennia B.Romanenchuka. Philadelphia, Kyiv, 1961. 216 p.

(MIRA 15:3)

(Ukraine--Geography)

ROMANENCO, S.; CHIZA, M.

The cable railway TU-1500 for limited-load transportation.

P. 330 (REVISTA PADURILOR) (Bucharest, Rumania) Vol. 71, no. 12, Dec. 1957

SC: Monthly Index of East European Accessions (EMAI) LC Vol. 7, No. 5, 1958

SENCHENKO, I. (Groznyy); ROMANENKO, A., inzh. (Poltava); GERVITS, P., inzh.
(Kiyev); SHEBANOV, V. (Kolompa)

Our readers' letters. Izobr.i rats. no.11:45-46 N '58.

(MIRA 11:12)

1. Sotrudnik zavodskoy gazety "Kuybyshevets" Kolomenskogo teplovozo-
stroitel'nogo zavoda im. V.V.Kuybysheva (for Shebanov).
(Efficiency, Industrial)

ROMANENKO, A.

Economize in things both large and small. Mast. ugl. 7 no. 7:9-10
J1 '58. (MIRA 11:8)

1. Glavnyy bukhgalter kombinata Rostovugol'.
(Coal mines and mining--Accounting)

ROMANENKO, A.G.

RATHER, Yu.Z.; ROMANENKO, A.G.

Lengthening the life of blast-furnace charging machines. Stal' 17
no.4:370-371 Ap '57. (MLRA 10:5)

1.Zaved "Azovstal'".
(Blast furnaces)

Romanenko, A. G.

Metal ✓ Materials for Coating Pig-Casting Machine Moulds. A. G. Romanenko. (Star, 1955, (8), 753). [In Russian]. Advan-
tagedous results have been obtained from the use of a wash
containing finely divided coal, coke, fireclay, and lime for
spraying pig-casting machine moulds. —a. r.

20 f

ROMANENKO, A.G.; RATNER, Yu.Z.

Enclosed weighing-car cabins. Metallurg no.11:5-8 N '56.
(MIRA 10:1)

1. Starshiy inzhener-konstruktor proyektного otdela zavoda "Azovstal'" (for Romanenko). 2. Pomoshchnik nachal'nika domennogo tsekha po qborudovaniya (for Ratner).
(Zhdanov--Metallurgical plants) (Weighing machines)

ROMANENKO, Aleksey Gavrilovich; SIDOROV, V.N., inzhener, redaktor izdatel'-
stva; ARUTYUNOV, N.B., inzhener, redaktor; VAYNSHTEYN, Ye.B.,
tekhnicheskiiy redaktor

[Casting pig iron and the removal of slag from blast furnaces]
Bazlivka chuguna i uborka domennogo shlaka. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1957.
248 p. (MIRA 10:7)

(Blast furnaces)

ROMANENKO, A.G.
AUTHORS: Ratner, Yu. Z. and Romanenko, A.G. (Azovstal' Works). 376
TITLE: Prolongation of the life of blast furnace charging equipment (Prodleniye sroka sluzhby zasypnogo apparata domennoy pechi).
PERIODICAL: "Stal'" (Steel), 1957, No.4, pp.370-371 (U.S.S.R.)
ABSTRACT: The formation of holes in the bell and its sit on high top pressure operating furnaces was found to be due to water. 80-90% of this water was brought in by pressure equalising semi-clean gas and 10-20% from steam condensate from equalising gas pipes of the small bell. A check on the amount of water passing into the space between the bells is recommended using a water catcher shown in the diagram and if necessary to instal a water catch on the large bell equalising line. There is one diagram.

ROMANENKO, A. G.

ROMANENKO, A. G. "Die technologische Überwachung im
Hochofenbetrieb." Übersetzung aus dem Russischen. 8vo,
pp. 164. Berlin, 1954: Verlag Technik. (Price
DM. 22.-).

Translation of Title: The Technological Supervision in
Blast-Furnace Operation.

ROMANCZYK, E.

Gelatine as a flocculating factor for coal muds. Biuletyn. p. 27.

PRZEGLAD GORNICZY. (Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Gornictwa) Katowice, Poland, Vol. 15, no. 9, Sept. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

AKISNAMOR, A. A. (Veterinary Doctor and ROMANENKO, A., Letkov Veterinary Section, Kiev Oblast').

"Therapeutic use of tricillin."...

Veterinariya, vol. 39, no. 8, August 1962 pp. 52

S/109/63/008/002/002/028
D266/D308

AUTHORS: Samsonenko, S.V. and Romanenko, A.F.
TITLE: On the correspondence between the Laguerre and Heaviside expansions
PERIODICAL: Radiotekhnika i elektronika, v. 8, no. 2, 1963, 206-210
TEXT: The Laguerre and the Heaviside expansions are special cases of the following more general expansion

$$K(p) = \frac{a}{p+d} \sum_{\nu=0}^{\infty} N_{\nu} \sigma^{\nu} \quad (4)$$

where

$$\sigma = \frac{ep+b}{cp+d} \quad (3)$$

e, b, c, d - constants. The inverse Laplace transform of (4) is as follows

$$f(t) = \sum_{\nu=0}^{\infty} N_{\nu} \phi_{\nu}(t) \quad (6)$$

Card 1/3

On the correspondence ...

S/109/63/008/002/002/028
D266/D208

The convergence of the different expansions depends on the properties of the conformal mapping represented by (3). The Heaviside expansion is obtained by choosing $e = d = 0$, $b = c = 1$, the Hofmann-Walcher expansion (Arch. electr. Übertrag., 1955, 10, 475) by $b = c = 1$, $d = \gamma$, $e = 0$, and the Laguerre expansion by $e = c = 1$, $b = \gamma = a$, $d = \gamma$. The Laguerre expansion is the most general because it permits the inversion circle to be shifted into the region of the poles of the $K(p)$ function, to vary the radius, and to perform subsequent inversions. It is shown that for a choice of γ and α the coefficients of the Laguerre expansion are smaller than those of other expansions i.e. that the Laguerre expansion has a better convergence. The convergence can be further improved if the poles are close to each other. If there are several groups of poles several expansions with different values of γ can be used each corresponding to the center of the group. In connection with this the authors rectify an error in an earlier paper (Radiotekhnika i elektronika, 1956, v. 1, no. 5, 623) where it was erroneously stated that the signal can have an arbitrary form while in fact the existence of the Laplace transform is a necessary condition. There is 1 table.

Card 2/3

On the correspondence ...

S/109/63/008/002/002/028
D266/D308

SUBMITTED: September 19, 1961 (initially)
 September 18, 1962 (after revision)

Card 3/3

ACCESSION NR: AP4038627

S/0109/64/009/004/0741/0743

AUTHOR: Sergeev, G. A.; Romanenko, A. F.

TITLE: Evaluating the error in determining the correlation interval

SOURCE: Radiotekhnika i elektronika, v. 9, no. 4, 1964, 741-743

TOPIC TAGS: information theory, computer, radar theory, correlation interval

ABSTRACT: For evaluating the interval of correlation of random processes — important in radar and computer work — various formulas have been proposed;

they contain a parameter: $\tau_0 = \int_0^{\infty} R_{11}^2(\tau) d\tau$. This parameter and an error, due to

defining the correlation function within a limited range of the values of its argument τ , are evaluated. Orig. art. has: 1 figure and 11 formulas.

ASSOCIATION: none

SUBMITTED: 28Dec62

DATE ACQ: 05Jun64

ENCL: 00

SUB CODE: DP, DC

NO REF SOV: 003

OTHER: 001

Cord 1/1

GUR'YEV, A.V.; ROMANENKO, A.F.; SERGEYEV, G.A.

Filtration of random processes. Radiotekhnika 19 no.1:63-70
Ja '64. (MIRA 17:1)

1. Deystvitel'nyye chleny Nauchno-tekhnicheskogo obshchestva
radiotekhniki i elektrosvyazi imeni Popova.

GUR'YEV, A.V.; ROMANENKO, A.F.; SERGEYEV, G.A.

Properties of a generalized smoothing operator. Radiotekhnika
19 no.2:67-72 F '64. (MIRA 17:6)

1. Deystvitel'nyye chleny Nauchno-tehnicheskogo obshchestva
radiotekhniki i elektrosvyazi imeni A.S. Popova.

TSURAN, V.Ye.; KOVALENKO, A.Ye.; ROMANENKO, A.F.

Replacing the DI-1200 weighing devices with automatic
measuring containers. Met. i gornorud. prom. no.3:68-69
My-Je '64. (MIRA 17:10)

L 41422-65 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) Pf-4 GS
ACCESSION NR: AT5009737 UR/0000/65/000/000/0221/0232

28
B+1

AUTHOR: Sergeyev, G. A.; Romanenko, A. P.

TITLE: Use of orthogonal filters for the optimization and study of statistical properties of errors in adaptive systems

SOURCE: Analiticheskiye samonastroyayushchiyesya sistemy avtomaticheskogo upravleniya (Analytical adaptive control systems). Moscow, Izd-vo Mashinostroyeniye, 1965, 221-232

TOPIC TAGS: orthogonal filter; adaptive system error, error statistical property, smoothing out operator, correlator choice, mathematical error expectation, smoothing out interval, automatic control system

ABSTRACT: The correlation method is used widely for the synthesis of the dynamic characteristics of analytical adaptive systems; the pulsed transient functions are calculated by taking into account the correlation connections between the input and exit signals (see, e.g., V. V. Solodovnikov, Statisticheskaya dinamika lineynykh sistem avtomaticheskogo upravleniya Fizmatgiz, 1960). Consequently, it is urgent that someone study the fine structure of control systems

Card 1/3

L 41422-65

ACCESSION NR: AT5009737

coupled to electronic digital computers, particularly when the computer is used for the reiterative processing of information. A successful correlational analysis of control system errors requires that one 1) finds an optimum smoothing-out operator needed for the evaluation of the mathematical expectation of control system errors; and 2) chooses the correlator type. The authors show that

$$S_T \xi(t) = \frac{1}{2T} \int_{t-T}^{t+T} h(x) \xi(x) dx, \quad (1)$$

can be used for the definition of a simple and comparatively efficient smoothing out operator S_T convenient for the processing of nonstationary processes. Here, $\xi(t)$ is the random process under study, $h(t)$ is the weight function of the smoothing out filter, and $2T$ is the smoothing out interval. The choice of the optimum smoothing out conditions, the analysis of experimental data, and the use of orthogonal filters for the optimization of adaptive systems are all discussed in considerable detail. The experimental study of the control system errors utilized 12 smoothing out channels, each of which corresponded to a fixed value

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L 41422-65

ACCESSION NR: AT5009737

of the smoothing out interval within the 1-12 second limits. The optimum size of the smoothing out interval was determined after correlation processing of the error fluctuations, and this led to the choice of one among the 12 information processing channels. Orig. art. has: 17 formulas, 5 figures, and 1 table.

ASSOCIATION: None

SUBMITTED: 15Dec64

NO REF SOV: 008

ENCL: 00

SUB CODE: IE, MA

OTHER: 001

ml
Card 3/3

L 22355-66 EWT(1) SCTB DD
ACC NR: AP6013267

SOURCE CODE: UR/0413/66/000/008/0059/0059

INVENTOR: Sergeyev, G. A., Romanenko, A. F.

ORG: none

TITLE: Device for the operational statistical processing of biopotentials. Class 30, No. 180734

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 59

TOPIC TAGS: biostatistics, data processing, biopotential

ABSTRACT: An Author Certificate has been issued for a device used to process biopotential data statistically. To obtain variable information parameters adequate

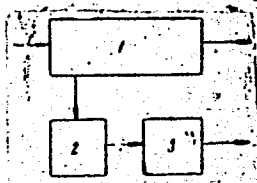


Fig. 1. Block diagram of the device.

for investigation processes, the analog system is made up of: 1) a variable dispersion channel; 2) a correlation interval channel; 3) a channel of the product of variable dispersion and the correlation interval (see Fig. 1). [CD]

SUB CODE: 06
Card 1/1

SUBM DATE: 02Jul64/

UDC: 615.471:

:616-07:621.038

ROMANENKO, A.G.

Production of foamed pumice ("thermozit"). Metallurg 10 no.3:10-11
Mr '65. (MIRA 18:5)

1. Zamest:tel' nachal'nika domennogo tsekha zavoda "Azovstal'".

ROMANENKO, A.G. (Frunze)

Nocturnal incontinence of urine in children and its prevention
and treatment. Fel'd. i akush. 27 no.9:38-40 S'62. (MIRA 16:8)
(URINE—INCONTINENCE) (CHILDREN—DISEASES)

ROMANENKO, A.G. (Frunze)

Nephrolithiasis. Med.sestra 21 no.12:14-17 D '62. (MIRA 16:4)

1. Iz 2-y Frunzenskoy ob'yedinennoy klinicheskoy bolnitsy.
(CALCULI, URINARY)

ROMANENKO, A.G.

Renal colic and appendicitis. Sov. zdrav. Kir. no. 1:19-23 Ja-P
'63. (MIRA 16:3)

1. Iz Vtoroy ob'yedinennoy bol'nitsy g. Frunze (glavnyy vrach
K.S. Nigmatullin).
(CALCULI, URINARY) (APPENDICITIS)

ROMANENKO, A. G.

Technological control in blast furnace output Moskva, Gos. nauchno-tekhn. izd-vo lit-ry
po chernoi i tsvetnoi metallurgii, 1952 162 p. (54-22213)

TN677.R65

1. Blast-furnaces.

ROLANDINI, A., Eng.

Tractors - Motors

Adjusting tractors. MTS 13, No. 1, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

ROMANKENKO, A.G., inzhener

Materials for coating molds on casting machines. Stal' 15 no.8:753
Ag '55. (MIRA 8:11)

1. Zavod "Azovstal'"
(Die casting)

TEKHNOLOGICHESKIY KONTROL' V DOME NOVA FROIZVODSTVE

Tekhnologicheskiiy Kontrol' V Dome nom Froizvodstve (Technological Control In Blast Furnace Production) Moskva, Metallurgizdat, 1952.

162 P. Illus., Diagra., Tables.

"Literatura" At the End of Each Chapter.

SS: N/5

615.721

.R7

R. ROMANENKO A. G.

Call Nr: TN 710 . R62

AUTHOR: Romanenko, A.G.

TITLE: Pig-Iron Pouring Practice and Blast-Furnace Slag Removal (Razlivka chuguna i uborka domennogo shlaķa)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo literatury po chernoy i tsvetnoy metallurgii, Moscow, 1957, 248 pp., 3,000 copies

ORIG. AGENCY: None given

EDITOR: Arutyunov, N.B., Engineer; Technical Editor: Vaynshteyn, E.B.; Editor of the Pub. House: Sidorov, V.N., Engineer

PURPOSE: Primarily written for blast-furnace engineers and technicians, this book can be used also as a textbook on blast-furnace practice for secondary and higher technical schools.

Card 1/8

Call Nr: TN 710 . R62
Pig-Iron Pouring Practice and Blast-Furnace Slag Removal (Cont.)

COVERAGE:

The author describes new pig-iron pouring methods, new methods of removing slag from blast furnaces and the basic and auxiliary equipment employed in these processes. He gives technical and production data on the equipment in question, explains the best operational procedures, and presents performance data for the pig-iron and slag-removal systems. He recommends repair methods and indicates possible improvements which could be made in the design of the equipment. This book represents a Soviet contribution. There are 30 references, all of which are Russian.

Card 2/8

Call Nr: TN 710 . R62
 Pig-Iron Pouring Practice and Blast-Furnace Slag Removal (Cont.)

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Call Nr: TN 710 . R62
Pig-Iron Pouring Practice and Blast-Furnace Slag Removal (Cont.)

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AVAILABLE: Library of Congress

Card 8/8

ROMANENKO, A. G.

PA 54751

USSR/Engineering

Jan 1947

Metallurgical Plants
Efficiency, Industrial

"Economy of Electrical Power and Water in the Gas Economy of a Metallurgical Works," A. G. Romanenko, Izv. Akad. Nauk, No. 1, p. 1

"Prom. Energetika" No. 1

Workers in gas economy of metallurgical works must be impressed with need for economy measures in use of electrical power and water. Author relates economies achieved at Azovstal' Works from Aug 1945 to Aug 1946. Plant saved one million kw of power and 600,000 cu m of water. States that on basis of

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USSR/Engineering (Contd)

Jan 1947

power expenditure for refining 1,000 cu m of gas, this plant achieved economy superior to that of foreign countries.

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54751

FOKINETS, A. G.

Engl., AzovStal', -01948-

"Some problems dealing with the designing and construction of gas purifying equipment,"
Stal', No. 8, 1948

ROMANENKO, A.G.

Limestone burning in shaft furnaces. Metallurg 5 no.5:38-39 My '60.
(MIRA 14:3)

1. Nachal'nik izvestkovo-obzhigatel'nogo tsekha zavoda "Azovstal".
(Lime kilns)

ROMANENKO, A.I.; BABENKO, Ye.Ya.

Transducers for the continuous control of metal in rolling mill
rolls. Stal' 25 no.5:445-446 My '65. (MIRA 13:6)

7. 1. 4
ROMANENKO, Anatoliy Leont'yevich; GOGLYUVATYY, O., redaktor; VUYEK, M.,
tekhnicheskii redaktor

[Bulldozers] Bul'dozery. Kiev, Gos.izd-vo tekhn.lit-ry USSR, 1955.
129 p. (MLRA 9:1)

(Bulldozers)

ROMANENKO, Aleksandr Mikhaylovich; RYABCHIKOV, N.L., red.

[Experiments in the mechanization of the construction of
drainage systems] Opyt mekhanizatsii stroitel'stva osushi-
tel'nykh sistem. Minsk, Gos.izd-vo sel'khoz.lit-ry BSSR,
1962. 74 p. (MIRA 17:5)

VYSHESLAVOVA, V.A.; IONOVA, T.V.; SULEYMANOVA, Z.I.; MARKOVA, L.A.; OSOKIN,
L.L.; ROMANFNKO, A.K.; GUSLISTAYA, Ye.G.; DASHEVSKIY, I.Ya.;
BOGUSLAVSKIY, D.B.; UZINA, R.V.

Specific features in the technological process of viscose cord
production at the Dnepropetrovsk tire factory. Kauch.i rez. 24
no.1:1-4 Ja '65. (MIRA 18:3)

1. Dnepropetrovskiy shinnyy zavod i Nauchno-issledovatel'skiy
institut shinnoy promyshlennosti.

ТОЧНОСТЬ, ... , инженер.

Urgent tasks of efficiency promotion at machine tractor
stations in Poltava Province. Izobr.v SSSR 2 no. 8:82-83
'7. (MIRA 10:8)
(Poltava Province--Machine-tractor stations)

ROMANENKO, A. M., Cand of Tech Sci -- (diss) "Investigation of the
Method of Organization and Production of Earth Work During the
~~xxxxxxxxxxxxxxx~~ Design of Drying System in Belorussia," Minsk, 1959,
30 pp (Belorussian Polytechnical Institute im Stalin) (KL, 1-60, 123)

ROMANENKO, A.M., inzhener.

Lower the cost of training swamps and swampy lands by subsurface
drains. Gidr.1 mel.8 no.7:23-28 J1 '56. (MIRA 9:9)
(Drainage)

ROMANENKO, A.M., inzh. (Minsk)

Prospects for sprinkler irrigation in White Russia. Gidr. 1
mel. 17 no.8:7-11 Ag '65. (MIRA 18:10)

SKUGAREV, V.V.; ROMANENKO, A.P.

Heavy-current pulse generator for studying ferromagnetic materials.
Izv. vys. ucheb. zav.; radiotekh. 4 no.1:96-98 Ja-F :61.

(MIRA 14:4)

1. Rekomendovano kafedroy avtomatiki i telemekhaniki Ryazanskogo
radiotekhnicheskogo instituta.

(Oscillators, Electric)

(Magnetic materials)

24229

S/142/61/004/001/008/008
E033/E135

9.2580

34.7900

AUTHORS: Skugarev, V.V., and Romanenko, A.P.

TITLE: A precision pulse generator for investigation of ferromagnetic materials

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiotekhnika, 1961, Vol.4, No.1, pp. 96-98

TEXT: The reliability of measurements of the pulsed characteristics of magnetic materials is determined to a great extent by the slope of the leading edge of the current pulse in the magnetizing coil of the sample under test and by the parasitic parameters of this coil. The conditions for measurement are optimum when the current pulse from the measuring generator has as steep a front as possible, and when the magnetizing winding consists of a single turn. Then, if a multi-coil is not used, a large current pulse is required from the output of the generator. The apparatus developed consists of a two-channel, current-pulse generator (Fig.1). The whole apparatus is synchronized by a symmetrical multivibrator (tubes Л1 and Л2), the differentiated pulses of which alternately trigger the trigger-pulse forming

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A precision pulse generator for

circuits (tubes Л3, Л4, Л5 and Л8, Л9, Л10). These circuits ignite the thyratrons Л6 and Л11, in the cathode circuits of which arise rectangular power pulses. These pulses are used in three channels. Firstly, they pass to the final stage (tubes Л7 and Л12), which consists of circuits with reservoir capacitors. The rectangular current pulse I_1 , arising in the anode circuit of tube Л7, passes through the turn 1-1 of the magnetizing winding of the toroidal ferromagnetic sample. The current pulse I_2 of the anode circuit of tube Л12 passes through the turn 2-2 of the magnetizing winding. Since the magnetic fields of the currents I_1 and I_2 are in opposite directions, and tubes Л7 and Л12 operate for equal intervals of time successively, a successive reversal of magnetization of the sample occurs. The amplitudes of the currents I_1 and I_2 can be regulated independently from 0 to 15 A each by changing the anode voltage of the tubes Л7 and Л12. The slopes of the leading edges of the pulses are approximately 7 n-sec (7×10^{-9}). The pulse duration of the apparatus was 0.25 microseconds. Rectangular pulses from the tubes Л6 and Л11 after integration are also used as saw-tooth, sweep-voltages for synchronizing the display with the generator. Part of the voltage of the rectangular pulses

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A precision pulse generator for ... S/142/61/004/001/008/008
E033/E135

is used for brightening up the tube. Thus, in the apparatus described, "jitter" of the investigated e.m.f. (taken from the measurement winding of the toroid) is excluded from the screen of the tube. This is a complete translation.

There are 1 figure and 1 Soviet reference.

ASSOCIATION: Kafedra avtomatiki i telemekhaniki Ryazanskogo
radiotekhnicheskogo instituta
(Department of Automatics and Telemechanics of the
Ryazan Radio-Engineering Institute)

SUBMITTED: May 21, 1960

Card 3/5

ROMANENKO, AS.

Protection of water-cooled parts of open-hearth furnaces by electropolishing. A. P. Rogach, A. S. Romanenko, and A. M. Kargin (Met. Plant, Konstantinovsk). Sm' 15, 748-52 (1955). — Deposition of boiler scale was reduced in cooling pipes by applying to it a d.c. of 0.002-0.003 amp./sq. dm. and by using river water for cooling. The pipes were made anode with stainless-steel bars as cathodes. The useful life of doors and door frames was increased several times. J. D. Cat

MG

of (2)

ROMANENKO, A.S.

3
Protection of Cooled Parts of Open-Hearth Furnaces by an
Electrolytic Polishing Method. A. P. Rogach, A. S. Romanenko,
and A. M. Kargin. (Stal, 1955, (8), 748-752). (In Russian).
A method, tested in the laboratory and on a working O.H.
furnace, is described in which water-cooled metal surfaces are
protected from corrosion and scaling by electrolytic polishing.
The metal surface is made the anode, the cooling water being
the electrolyte, and a current is passed at 0.002-0.003
amp/sq. dm. (for medium and very hard water). During the
tests this technique reduced the thickness of the deposit of
calcium and magnesium salts to 1/3-1/4 of the normal value.
The current consumed for the protection of all the water
cooled parts of a furnace is 2-3 kWh per day.—S. K.

ROMANENKO, A. S.

18
5
4E2C
Determination of the Weight of Liquid Steel in the Ladle
during Casting, A. P. Rozach, P. K. Turikova and A. S.
Romanenko, (Metallurg, 1950, (2), 38-39). [In Russian]. The
apparatus described consists of two steel rods placed between
the two layers of lining of the ladle, connected by wires to an
accumulator coupled to a galvanometer. When liquid metal
is present between the ends of the two rods the circuit is
closed. This allows the measurement of the quantity of
liquid metal left in the ladle during casting. — S. I. R.

RECEIVED

Romanenko, A.S.

642. PROTECTION OF WATER-COOLED PARTS OF OPEN HEARTH FURNACES BY
ELECTRO-POLISHING. Romanenko, A.S. and Kargin, A.M. (Steel
[Steel, Moscow], 1955, vol. 15, 745-752; abstr. in Chem. Abstr., 1956, vol.
50, 2386). Deposition of boiler scale was reduced in cooling pipes by
applying to it a direct current of 0.002-0.003 ampere/sq.cm and by using
river water for cooling. The pipes were made anode with stainless steel
bars as cathodes. The useful life of doors and door frames was increased
several times. c.a.

3
Zuel

ROGACH, A.P., inzhener; TYURIKOVA, P.K., inzhener; ROMANENKO, A.S., inzhener.

Determination of the weight of liquid steel in the ladle during pouring.
Metallurg no.2:38-39 F '56. (MIRA 9:9)

1. TsZL Konstantinovskogo metallurgicheskogo zavoda imeni Frunze.
(Konstantinovka--Smelting) (Liquid metals)

ROGACH, A.P.; ROMANENKO, A.S.; KARGIN, A.M.

Protecting open-hearth furnace cooling parts by the method of electric polishing. Stal' 15 no.8:748-752 Ag'55. (MLRA 8:11)

1. Konstantinovskiy metallurgicheskiy zavod
(Polishing, Electrolytic) (Open-hearth furnaces)

ROMANENKO, A.Ya., inzh.

Increase in the operational reliability of the automatic control
circuit of a separator. Energetik 13 no.1:25-27 Ja '65.

(MIRA 18:3)

ROMANENKO, A.Ye.

Student work in the conservation of nature. Biol. v shkole
no.5:60-62 S-0 '62. (MIRA 16:2)

1. Inspektor shkol Nikolayevskogo oblastnogo otдела
narodnogo obrazovaniya UkrSSR.

(Conservation of natural resources)
(Nikolayev Province—Student activities)

ROMANENKO, B.D.; PAVLOV, N.V.

What should a signaling and communications district be like? Avtom.
telem. i svyaz' 4 no.11113 N '60. (MIRA 13:11)

1. Nachal'nik Ozherel'skoy distantzii signalizatsii i svyazi Moskovskoy dorogi (for Romanenko).
 2. Nachal'nik Brestskoy distantzii signalizatsii i svyazi Belorusskoy dorogi (for Pavlov).
- (Railroads--Signaling)
(Railroads--Communication systems)

FEDOROV, N.M., starshiy elektromekhanik; CHEREPOVSKIY, I.F.;
ROMANENKO, B.D.

Letters to the editor. Avtom.telem. i sviaz' 3 no.12:41
D '59. (MIRA 13:4)

1. Kontrol'no-ispytatel'nyy punkt Bologovskoy distantzii signalizatsii i svyazi Oktyabr'skoy dorogi (for Fedorov).
2. Nachal'nik laboratorii signalizatsii i svyazi Donetskoy dorogi (for Charepovskiy). 3. Zamestitel' nachal'nika Ozherel'skoy distantzii signalizatsii i svyazi Moskovskoy dorogi (for Romanenko).

(Railroads--Signaling)

USSR / General Division, Problems of Teaching

A-7

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 161

Author : Romanenko, B.F.

Inst : Not Given

Title : Experiments with Corn in School Plots

Orig Pub : Biol. v shkole, 1957, No 3, 87-88

Abstract : No abstract

Card : 1/1

RELANDRO, R.I., Cand Geo-Miner Sci —(disc) "Facies of the Pontiac
+3 9
in the Pontiac Group, Michigan," *Geology*, 1958, 16 pp
(Gedens State Univ in I.I. Technikon). 100 copies (KL, 24-54, 117)

ROMANENKO, B.I.

Possibility for a graphic reconstruction of the bed of an ancient body of water as illustrated by the bed of the Pontic Sea in the area between the Dniester and Prut Rivers. Pratsi Od. un. zbir. mol. vchen. un. 148 no.3:299-310 '58 (MIRA 13:3)

1. Nauchnyy rukovoditel' - dots. I.Ya. Yatsko.
(Black Sea--Paleogeography)

ROMANENKO, B.I.

Possibility of the graphic reconstruction of the bed of an ancient reservoir (based on the reconstruction of the bed of a Pontian sea in the Dniester-Prut interfluvium). Geol.shur. 18 no.4:52-60 '58. (MIRA 12:1)
(Dniester Valley--Paleogeography) (Prut Valley--Paleogeography)

ROMANENKO, B. Ye.

124-58-6-6866

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 6, p 87 (USSR)

AUTHOR: Romanenko, B. Ye.

TITLE: On the Movement of Sediments (K voprosu o dvizhenii nanosov)

PERIODICAL: Tr. Akad. morsk. flota, 1956, Nr 4, pp 158-171

ABSTRACT: This is a survey-type article which, judging from a footnote, constitutes a brief statement of a large and apparently also survey-type work by the same author. At the beginning of the article, the author presents quite formally a discussion of two trends in 1950-1951 on the sedimentation problem: the diffusion theory (V.M. Makkaveyev and A.V. Karaushev) and the gravitation theory (M. A. Velikanov). The balance of the article is devoted to a critique of the diffusion theory. The derivation of V.M. Makkaveyev's diffusion equation with a constant mixing coefficient appears repeatedly in the literature. The author introduces only some immaterial refinements into this equation: he introduces the specific gravity of the mixture instead of the specific gravity of the water, retaining V.M. Makkaveyev's two fundamental assumptions: 1) the constancy of the transfer coefficient, and 2) a parabolic velocity distribution. Further on, the author sets forth

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124-58-6-6866

On the Movement of Sediments

another solution supplied by A.V. Karaushev and differing from the first one, firstly, by the longitudinal velocity curve (an ellipse instead of a parabola) and secondly, by the empirical determination of the grain-size spectrum of the sedimentation. Here again, the simplifications mentioned above are introduced. A numerical comparison is made, on an arbitrary example, of calculations of sediment content according to V.M. Makkaveyev and according to A.V. Karaushev. Inasmuch as the composition of the sediments is assumed to be monofractional, in this example, the empirical determination of the particle-size spectrum according to A.V. Karaushev is not applied. The concluding paragraph is devoted to the problem of the mixing coefficient. The author erroneously develops a relationship between the difference of the assumed velocity profiles and the difference between the diffusion and the gravitation theories. In conclusion, the practical equivalence of V.M. Makkaveyev's and A.V. Karaushev's formulas is established.

M.A. Velikanov

1. Sedimentation--Theory

Card 2/2

ROMANENKO, B. Ye., Doc Tech Sci--(disc) ^{the} "Technological process of the
performance of ~~the~~ suction dredge." Len, 1958. 28 pp (Min of Higher Edu-
cation USSR. Len Polytech Inst im L.I. Kulinin), 150 copies. List of
author's works at end of text (13 pp) (IL, 44-58, 122)

-30-

ROMANENKO, B. Ye.

[Effective systems and operational methods of suction dredges]
Effektivnye rezhimy i sposoby zemlesosa. Moskva, Rechnoi transport,
1954. 184 p. (MIRA 8:1 D)

1. ROMANENKO, B.YE.
2. USSR (600)
4. Dredging
7. Technological process of the operation of a dredge, Trudy TsNIRF no. 10, 1951.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

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Effektivnye raznyye i sposoby raboty zemlesosa (Effective systems and methods
of work with pump dredges) Leningrad, Izd-vo. Rechnoy Transport, 1954.

(162) p. diagrams, tables.

Bibliography: p. 141-(162)

ROMANENKO, Boris ^Yevmen'evich.

Effective systems and operational methods for the suction dredge. Leningrad, Rechnoi transport, Leningradskoe otd-nie, 1954. 181 p. (55-35566)

TC187.R6

1. Dredging.

ROMANENKO, B.Ye.

[Effective systems and operational methods of suction dredges]
Effektivnye rezhimy i sposoby zemlesosa. Moskva, Rechnoi transport,
1954. 184 p. (MIRA 8:1 D)

ROMANENKO, Boris Yevmen'yevich, kandidat tekhnicheskikh nauk; PESOCHINSKIY,
V.I., redaktor; VOLCHOV, K.M., tekhnicheskiiy redaktor.

[Effective systems and operational methods for the suction dredge]
Effektivnye rezhimy i sposoby raboty zemlesosa. Leningrad, "Rechnoi
transport," 1954. 181 p. (MLRA 8:3)
(Dredging)

ROMANENKO, D.

PA 9T113

USSR/Minerals
Forests

Feb 1947

"The River of Winged Dreams (Angara River),"
D. Romanenko, 4 pp

"Vokrug Sveta" No 2

Includes a brief section on the store of minerals along the Angara River. Rock salt from here supplies Siberia. Iron, coal, lignite, etc., make this area second to the Kuznetsk Basin. Area contains one-fifth of the forest wealth of the USSR.

9T113

MURAVOV, I.V.; SUEACHEV, N.S.; ROMANENKO, D.I.

Ergographic technique. Fizibl.znur. 43 no.12:1202-1204 D '57.
(MIRA 11:3)

(MIRA 11:3)

1. Kafedra normal'noy fiziologii Meditsinskogo instituta, Kiev.
(MUSCLES, physiology,
ergography, technic & appar. (Rus))

(MUSCLES, physiology,

ergography, technic & appar. (Rus))

ROMANENKA, D.Z.

ROMANENKA, D.Z., Sr.State Veterinary Inspector,Kirovograd Oblast. "From the Practice of Using Turpentine in Strangles and Pulmonary Diseases."

SO: Veterinariya;Vol.24;No.8;p.45;1947 (TABCON) uncl

L 27609-65 EWT(m)/EPF(n)-2/EWP(j)/T/EWP(t)/EWP(b) pc-4/pu-4 IJP(c) ES/JD/
WW/JG/RM

ACCESSION NR: AP5001639

S/0186/64/006/006/0633/0640

AUTHOR: Muzyka, I. D.; Romanenko, E. D.; Tananayeva, N. N.

TITLE: Adsorption of complex uranium compounds from aqueous solutions

32
30 B

SOURCE: Radiokhimiya, v. 6, no. 6, 1964, 633-640

TOPIC TAGS: ²⁷uranium refining, ²⁷uranium adsorption, uranium complex, activated charcoal, uranyl nitrate, cadmium elimination

²⁷ABSTRACT: The authors report some of the results obtained in an adsorption and physicochemical study of the system $UO_2(NO_3)_2 - NaK - H_2O$. It was found that the predominant complex present in this system has the composition UO_2K_2 . The optimum conditions for the stability of the complex correspond to a pH of 5.5 to 6.5. At pH ≤ 1.5 , the complex decomposes almost completely into its components. The adsorption of this complex on activated charcoal from aqueous solutions was investigated. The complex was found to have a high uranium-adsorbing capacity (about 320 mg of uranium per g of carbon), and can therefore be used for the simultaneous recovery and concentration of uranium from salt systems. The adsorbed uranium may be recovered either by burning off the carbon to obtain uranium oxide, or by desorbing the uranium with a mineral acid such as sulfuric acid. Following the

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ACCESSION NR: AP5001639

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desorption, the charcoal may be reused for the absorption of more uranium. The study established the possibility of obtaining uranium compounds of high purity, particularly with respect to cadmium, one of the most harmful impurities in uranium. Orig. art. has: 7 figures.

ASSOCIATION: none

SUBMITTED: 15Sep62

ENCL: 00

SUB CODE: IC

NO REF SOV: 010

OTHER: 004

Card 2/2

KOSTROMINA, N.A.; ROMANENKO, E.D.

Gluconate complexes of scandium. Ukr. khim. zhur. 31 no.4:
332-338 '65. (MIRA 18:5)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

PROTASOV, V.R.; ROMANENKO, E.V. [Romanenko, Ye.V.]

The sounds uttered by some fishes and their signaling role. *Analele*
biol 17 no.3:74-87 My-Je '63.

ONUFRIYEV, Yu.V., inzh.; ROMANENKO, F.D., inzh.

Studying the PKO-1 device. Sbor. DonSSI no.31:61-65 '63.

(MIRA 17:10)

BOYTSOV, A.A., inzh.; ONUFRIYEV, Yu.V., inzh.; REZNIKOV, B.S., inzh.;
ROMANENKO, F.D., inzh.

Device for regulating the direction of the motion of rock drills.
Ugol'.prom. no.4:63-67 J1-Ag '62. (MIRA 15:8)

1. Donetskii nauchno-issledovatel'skiy ugol'nyy institut.
(Rock drills)

ROMANENKO, G. F.

Skin - Diseases

Case of cutaneous hemosiderosis, Vest. ven. i dermat., No. 3, 1952.

Monthly List of Russian Accessions. Library of Congress, October 1952, 'unclassified.

ROMANENKO, G.F.

Modifications in the receptor apparatus of the skin in alopecia areata.
Vest. vener., Moskva no.1:7-13 Jan-Feb 1953. (CML 24:2)

1. Departmental Physician. 2. Of the Department of Skin and Venereal
Diseases (Head -- Prof. V. A. Rakhmanov), First Moscow Order of Lenin
Medical Institute.

YARYGIN, N.Ye. (Moscow); ROMANENKO, G.F. (Moscow).

Some data on the pathomorphology of the nervous system in pemphigus.
Arkhn.pat. 16 no.1:52-57 Ja-Mr '54. (MLRA 7:5)

1. Iz kafedry patologicheskoy anatomii (zaveduyushchiy - akademik
A.I.Abrikosov) i kafedry kozhnykh i venericheskikh bolezney (zaveduyushchiy
- professor V.A.Rakhmanov) i Moskovskogo ordena Lenina meditsinskogo
instituta. (Nervous system) (Pemphigus)